

# **PCT**

### **INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER See Notification of	of Transmittal of International Search Report
KOCH67582/05	ACTION (FORM PC1/ISA/2	20) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 00/17014	20/06/2000	21/06/1999
Applicant		
KOCH-GLITSCH, INC.		
This International Search Report consists	_	
Basis of the report		
<ul> <li>a. With regard to the language, the language in which it was filed, unl</li> </ul>	international search was carried out on the bases otherwise indicated under this item.	sis of the international application in the
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation of the	ne international application furnished to this
was carried out on the basis of the		ternational application, the international search
	nal application in written form.	
	mational application in computer readable form	1.
	this Authority in written form. this Authority in computer readble form.	
	sequently furnished written sequence listing de	Des not go beyond the disclosure in the
international application a	s filed has been furnished.	
furnished	rmation recorded in computer readable form is	identical to the written sequence listing has been
2. Certain claims were four	nd unsearchable (See Box I).	
3. Unity of invention is laci	dng (see Box II).	•
4. With regard to the title,		
X the text is approved as su	bmitted by the applicant.	
the text has been establish	hed by this Authority to read as follows:	
5. With regard to the <b>abstract</b> ,  the text is approved as su  the text has been establish within one month from the	bmitted by the applicant. hed, according to Rule 38.2(b), by this Authorit date of mailing of this international search rep	y as it appears in Box III. The applicant may, ort, submit comments to this Authority.
6. The figure of the <b>drawings</b> to be publi	shed with the abstract is Figure No.	1
X as suggested by the applic	cant.	None of the figures.
because the applicant faile	• •	
because this figure better	characterizes the invention.	



#### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 00/17014

Box iii TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

A saddle element (10) for a static mixer includes a generally ring-shaped support structure (12) having a central axis (16), concentric inner and outer, radially spaced, circumferentially extending surfaces (18, 20), and first and second axially spaced, generally parallel edge surfaces (22, 24). The inner surface (18) of the ring-shaped support structure (12) defines a fluid flow path along the central axis (16). The saddle element (10) includes a plurality of crossbars (32) that are located in the flow path (26). The crossbars (32) have a first end (34) which is closer to the transverse plane (28) of the first edge (22) of the ring-shaped support structure (12) than to the transverse plane (30) of the second edge (24) of the ring-shaped support structure (12). The crossbars (32) also have a second end (36) which is closer to the transverse plane (30) of the second edge (24) than to the transverse plane (28) of the first edge (22). The crossbars (32) are arranged in at least two separate intersecting oblique planes (38,40,42,44), each of which intersecting oblique planes is disposed at an angle relative to the central axis (16). The saddle elements (10) may be used in a structure (60) which includes four flip-flopped stacked elements (10).



International Application No PCT/US 00/17014

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A. CLASS IPC 7	BIFICATION OF SUBJECT MATTER 801F5/06					
According t	to International Patent Classification (IPC) or to both national classific	ication and IPC				
B. FIELDS	SSEARCHED					
1PC /						
	ation searched other than minimum documentation to the extent that					
	data base consulted during the international search (name of data base)	ase and, where practical, s	earch terms used)			
Ero-in	nternal, WPI Data, PAJ					
	IENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document, with indication, where appropriate, of the re	segasaaq navek	Relevant to claim No.			
A,P	EP 0 967 004 A (BAYER AG) 29 December 1999 (1999-12-29) the whole document		1-15			
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<u> </u>	her documents are listed in the continuation of box C.	X Patent family me	mbers are listed in annex.			
	tegories of cited documents :	T* later document publish	ned after the international filing date			
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which is citation	is cited to establish the publication date of another n or other special reason (as specified)	"Y" document of particular	r relevance; the claimed invention d to involve an inventive step when the			
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Date of the a	actual completion of the international search	Date of mailing of the	international search report			
	5 September 2000	21/09/200				
Name and m	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer				
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## INTERNATIONAL SEARCH REPO

# Information on patent family members

International Application No PCT/US 00/17014

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